

10500
 10400
 10300
 10200
 10100
 10000
 9900
 9800
 9700
 9600
 9500
 9400
 9300
 9200
 9100
 9000
 8900
 8800
 8700
 8600
 8500
 8400
 8300
 8200
 8100
 8000
 7900
 7800
 7700
 7600
 7500
 7400
 7300
 7200
 7100
 7000
 6900
 6800
 6700
 6600
 6500
 6400
 6300
 6200
 6100
 6000
 5900
 5800
 5700
 5600
 5500
 5400
 5300
 5200
 5100
 5000
 4900
 4800
 4700
 4600
 4500
 4400
 4300
 4200
 4100
 4000
 3900
 3800
 3700
 3600
 3500
 3400
 3300
 3200
 3100
 3000
 2900
 2800
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

Influence of
 Age
 Sex
 Occupation
 Education
 Religion
 Race
 Marital Status
 Income
 Health
 Social Class
 Personality
 Attitudes
 Values
 Beliefs
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions
 Values
 Beliefs
 Attitudes
 Personality
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions

Influence of
 Age
 Sex
 Occupation
 Education
 Religion
 Race
 Marital Status
 Income
 Health
 Social Class
 Personality
 Attitudes
 Values
 Beliefs
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions
 Values
 Beliefs
 Attitudes
 Personality
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions

Influence of
 Age
 Sex
 Occupation
 Education
 Religion
 Race
 Marital Status
 Income
 Health
 Social Class
 Personality
 Attitudes
 Values
 Beliefs
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions
 Values
 Beliefs
 Attitudes
 Personality
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions

Influence of
 Age
 Sex
 Occupation
 Education
 Religion
 Race
 Marital Status
 Income
 Health
 Social Class
 Personality
 Attitudes
 Values
 Beliefs
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions
 Values
 Beliefs
 Attitudes
 Personality
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions

Influence of
 Age
 Sex
 Occupation
 Education
 Religion
 Race
 Marital Status
 Income
 Health
 Social Class
 Personality
 Attitudes
 Values
 Beliefs
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions
 Values
 Beliefs
 Attitudes
 Personality
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions

Influence of
 Age
 Sex
 Occupation
 Education
 Religion
 Race
 Marital Status
 Income
 Health
 Social Class
 Personality
 Attitudes
 Values
 Beliefs
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions
 Values
 Beliefs
 Attitudes
 Personality
 Interests
 Hobbies
 Sports
 Music
 Art
 Literature
 Science
 Technology
 Environment
 Nature
 Animals
 Plants
 Food
 Drink
 Clothing
 Housing
 Transportation
 Communication
 Entertainment
 Recreation
 Travel
 Adventure
 Risk
 Challenge
 Achievement
 Success
 Failure
 Loss
 Grief
 Death
 Life
 Meaning
 Purpose
 Goals
 Dreams
 Aspirations
 Ambitions

Influence of
 Fig 1
 Fig 2
 Influence of
 Fig 3
 Fig 4
 Influence of
 Fig 5
 Fig 6
 Influence of
 Fig 7
 Fig 8
 Influence of
 Fig 9
 Fig 10
 Influence of
 Fig 11
 Fig 12
 Influence of
 Fig 13
 Fig 14
 Influence of
 Fig 15
 Fig 16
 Influence of
 Fig 17
 Fig 18
 Influence of
 Fig 19
 Fig 20
 Influence of
 Fig 21
 Fig 22
 Influence of
 Fig 23
 Fig 24
 Influence of
 Fig 25
 Fig 26
 Influence of
 Fig 27
 Fig 28
 Influence of
 Fig 29
 Fig 30
 Influence of
 Fig 31
 Fig 32
 Influence of
 Fig 33
 Fig 34
 Influence of
 Fig 35
 Fig 36
 Influence of
 Fig 37
 Fig 38
 Influence of
 Fig 39
 Fig 40
 Influence of
 Fig 41
 Fig 42
 Influence of
 Fig 43
 Fig 44
 Influence of
 Fig 45
 Fig 46
 Influence of
 Fig 47
 Fig 48
 Influence of
 Fig 49
 Fig 50
 Influence of
 Fig 51
 Fig 52
 Influence of
 Fig 53
 Fig 54
 Influence of
 Fig 55
 Fig 56
 Influence of
 Fig 57
 Fig 58
 Influence of
 Fig 59
 Fig 60
 Influence of
 Fig 61
 Fig 62
 Influence of
 Fig 63
 Fig 64
 Influence of
 Fig 65
 Fig 66
 Influence of
 Fig 67
 Fig 68
 Influence of
 Fig 69
 Fig 70
 Influence of
 Fig 71
 Fig 72
 Influence of
 Fig 73
 Fig 74
 Influence of
 Fig 75
 Fig 76
 Influence of
 Fig 77
 Fig 78
 Influence of
 Fig 79
 Fig 80
 Influence of
 Fig 81
 Fig 82
 Influence of
 Fig 83
 Fig 84
 Influence of
 Fig 85
 Fig 86
 Influence of
 Fig 87
 Fig 88
 Influence of
 Fig 89
 Fig 90
 Influence of
 Fig 91
 Fig 92
 Influence of
 Fig 93
 Fig 94
 Influence of
 Fig 95
 Fig 96
 Influence of
 Fig 97
 Fig 98
 Influence of
 Fig 99
 Fig 100

11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526
 527
 528
 529
 530
 531
 532
 533

AN EQUAL OPPORTUNITY EMPLOYER

END

INTERNATIONAL
PRIORITY AIRMAIL
PAR AVION

U.S. POSTAGE
PAID
AMERICAN POSTAL
SERVICE, INC. 9900

1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum. Chl a is essential for the light-dependent reactions of photosynthesis, where it converts light energy into chemical energy.

2. *Chlorophyll b* (Chl b) is an accessory pigment found in many green plants and algae. It is a yellow-green pigment that absorbs light energy in the blue and orange-red regions of the visible spectrum. Chl b transfers the absorbed energy to Chl a for use in photosynthesis.

3. *Carotenoids* are a group of pigments that include carotenes and xanthophylls. They are responsible for the yellow, orange, and red colors seen in autumn foliage. Carotenoids absorb light energy in the blue and green regions of the visible spectrum and transfer the energy to Chl a. They also play a role in protecting the plant from damage caused by excess light energy.

4. *Xanthophylls* are a type of carotenoid that are responsible for the yellow color seen in autumn foliage. They absorb light energy in the blue and green regions of the visible spectrum and transfer the energy to Chl a. Xanthophylls also play a role in protecting the plant from damage caused by excess light energy.

5. *Anthocyanins* are water-soluble pigments that are responsible for the red, purple, and blue colors seen in autumn foliage. They are not involved in photosynthesis but are produced by the plant in response to environmental factors such as low temperatures and high light intensity.

6. *Flavonoids* are a group of pigments that include flavones and flavanols. They are responsible for the yellow and orange colors seen in autumn foliage. Flavonoids absorb light energy in the blue and green regions of the visible spectrum and transfer the energy to Chl a. They also play a role in protecting the plant from damage caused by excess light energy.

7. *Anthoxanthins* are a type of flavonoid that are responsible for the yellow color seen in autumn foliage. They absorb light energy in the blue and green regions of the visible spectrum and transfer the energy to Chl a. Anthoxanthins also play a role in protecting the plant from damage caused by excess light energy.

8. *Anthocyanins* are water-soluble pigments that are responsible for the red, purple, and blue colors seen in autumn foliage. They are not involved in photosynthesis but are produced by the plant in response to environmental factors such as low temperatures and high light intensity.

9. *Anthocyanins* are water-soluble pigments that are responsible for the red, purple, and blue colors seen in autumn foliage. They are not involved in photosynthesis but are produced by the plant in response to environmental factors such as low temperatures and high light intensity.

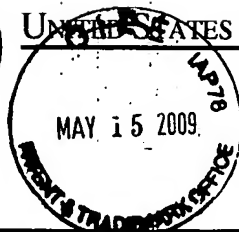
10. *Anthocyanins* are water-soluble pigments that are responsible for the red, purple, and blue colors seen in autumn foliage. They are not involved in photosynthesis but are produced by the plant in response to environmental factors such as low temperatures and high light intensity.

MOVED / UNKNOWN // DEMENAGE / INCONNU
 RETURN TO SENDER
 RENVOI A L'EXPEDITEUR
 VA 22313-1450
 USA

[illegible]



UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527,400	03/11/2005	Pranil Ram		2789

46634 7590 11/25/2008
ELIOPOULOS INTELLECTUAL PROPERTY LAW
2600 SKYMARK AVENUE, SUITE 11-101
MISSISSAUGA, ON L4W 5B2
CANADA

EXAMINER

ROSEN, ELIZABETH H

ART UNIT	PAPER NUMBER
----------	--------------

3692

MAIL DATE	DELIVERY MODE
-----------	---------------

11/25/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Abandonment

Application No.

10/527,400

Applicant(s)

RAM ET AL.

Examiner

ELIZABETH ROSEN

Art Unit

3692

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on 21 April 2008.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection.
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
 - (d) ☒ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____. The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawings have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ The decision by the Board of Patent Appeals and Interference rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:

/Nga B. Nguyen/
Primary Examiner, Art Unit 3692

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.